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# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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PTO/SB/08A (10-01)  
Approved for use through 10/31/2002. OMB 0651-0031  
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Application Number : 09/868,708

Filing Date: 02/08/1999

First Named Inventor: Lannert

Group Art Unit: 772 2121

Examiner Name: ~~W~~ J P HILL

Attorney Docket Number: 05222.00167

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NOV 28 2002

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## U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, or Figures Apparent
		Number - Kind Code <sup>2</sup> (if known)			
H		US-4,622,013	11/11/1986	Cherchio	
H		US- 4,874,784	10/17/1989	Clancey	
H		US- 4,981,766	01/02/1990	Derr, et al.	
H		US- 4,931,850	06/05/1990	Isle, et al.	
H		US- 4,964,077	10/16/1990	Eisen, et al.	
H		US- 4,977,529	12/11/1990	Gregg, et al.	
H		US- 5,002,491	03/26/1991	Abrahamson, et al.	
H		US- 5,170,464	12/08/1992	Hayes, et al.	
H		US- 5,189,402	02/23/1993	Naimark, et al.	
H		US- 5,208,745	05/04/1993	Quentin, et al.	
H		US- 5,208,898	05/04/1993	Funabashi, et a	
H		US- 5,239,617	08/24/1993	Gardner, et al.	
H		US- 5,259,766	11/09/1993	Sack et al.	
H		US- 5,267,865	12/07/1993	Lee, et al.	
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H		US- 5,311,422	05/10/1994	Loftin, et al.	
H		US- 5,317,688	05/31/1994	Watson, et al.	
H		US- 5,326,270	07/05/1994	Ostby, et al.	
H		US- 5,359,701	10/25/1994	Chiang, et al.	
H		US- 5,372,507	12/13/1994	Goleh	

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Examiner Initials *	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Apparent
		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)			
		EP 0 689 132 A2	12/27/95	Laffra	
		EP 0 710 942 A2	05/08/96	Siefert	
		EP 0 710 942 A2	05/08/96	Siefert	
		EP 0 798 655 A2	10/01/97	Jervis, et al.	
		WO 00/04478	01/27/00	Jonsson	
		WO 97/44766	11/27/97	Cook	
		WO 98/03953	01/29/98	Simmons	
		WO 98/25251	06/11/98	Ho	
		WO 98/32109	07/23/98	De Lange	

Examiner Signature		Date Considered	8/2/98
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<sup>2</sup> Applicant's unique citation designation number (optional). <sup>3</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04.

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**Application Number : 09/868,708**

Filing Date: 02/08/1999

First Named Inventor: Lannert

Group Art Unit: TVA 2121

Examiner Name: ~~NA~~ J P HICKL  
Attorney Docket Number: 05222.00167

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A		US-5,395,243	03/07/1995	Lutbin, et al.	
A		US-5,441,415	08/15/1995	Lee, et al.	
H		US-5,491,743	02/13/1996	Shilo, et al.	
H		US-5,533,903	07/09/1996	Kennedy	
H		US-5,535,422	07/09/1996	Chang, et al.	
H		US-5,537,141	07/16/1996	Harper, et al.	
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H		US-5,566,291	10/15/1996	Boulton, et al.	
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M		US-5,690,496	11/25/1997	Kennedy	
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H		US-5,727,161	03/10/1998	Purcell, Jr.	

**FOREIGN PATENT DOCUMENTS**

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Application Number : 09/868,708

Filing Date: 02/08/1999

First Named Inventor: Lannert

Group Art Unit: ~~wa~~ 2121

Examiner Name: ~~n/a~~ J P HIRL

Attorney Docket Number: 05222.00167

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Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-Issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		"Evaluating the effectiveness of feedback in SQL-tutor", IEEE, proc. Int. workshop IWALT, pp 143-144	
		"Automated Exercise Progression in Simulation-Based Training," IEEE Trans. On Systems, Man, and Cybernetics, Vol. 24(6), pp. 863-74, June 1994	
		"ACM Transactions on Information Systems," 1988 at www.acm.org/pubs/toc/Abstracts/tols/592584.htm	
		The Virtual Classroom: Great Expectations. Delivering Graduate Education by Computer. A Success Story, 1996.	
		"A Special Section -- Goal Based Scenarios: A New Approach to Professional Education: Reengineering Education at Andersen Consulting," Educational Technology, Nov.-Dec. 1994	
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		"The Virtual Learning Environment System," 28th Annual Frontiers in Education Conference, Conference Proceedings, Vol. 2, Nov. 4-7, 1998	
		"Developing a Design System into an Intelligent Tutoring System," Int'l J. Engr. Eud., Vol. 13(5), pp. 341-46, Dec. 1997	
		"CAPTOR a model for delivering web based intelligent tutoring system technology", IEEE Proc. DASC vol. 2, pp 5.C.4.1-5	

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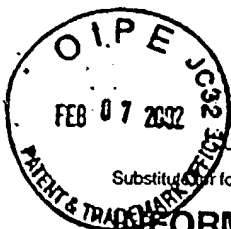
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Application Number : 09/868,708

Filing Date: 02/08/1999

First Named Inventor: Lannert

Group Art Unit: ~~rra~~ 2121

Examiner Name: ~~rra~~ J P Hill

Attorney Docket Number: 05222.00167

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OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		"Bridging the Virtual and the Physical: The InterSim as a Collaborative Support Interface," Proc. Of 1997 World Conf. On Artificial Intelligence in Education, pp. 556-58, Dec. 1997	
		"Task-Oriented Learning on the Web"; Innovations in Education and Training International, Vol. 36, No. 1, Feb. 1999	
		"Applications of BrainMaker Neural Network to stocks, business, medical, manufacturing" at <a href="http://www.calsci.com/Applications.html">www.calsci.com/Applications.html</a>	
		"KBLPS Overview" at <a href="http://www.cgi.com/CGIWEB/KBLPS/overindex4.html">www.cgi.com/CGIWEB/KBLPS/overindex4.html</a>	
		"Smartlaw: adapting classic expert system techniques for the legal research domain", ACM pp 133-141	
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		"Practical methods for automatically generating typed links", ACM Hypertext, pp 31-41	
		"Popular Theory Supporting the Use of Computer Simulation for Experiential Learning," <a href="http://www.centurionsys.com/rtdc57.html">http://www.centurionsys.com/rtdc57.html</a> , Aug. 1997	
		"Technical Report: Computer Aided Education and Training Initiative" at <a href="http://advearn.lrdc.pitt.edu/advearn/papers/FINALREP.html">http://advearn.lrdc.pitt.edu/advearn/papers/FINALREP.html</a>	
		"FRA: Teaching Financial Accounting with a Goal-Based Scenario," Intelligent Systems in Accounting, Finance and Management, Vol. 4, 1995	
		"Teaching Real-World Analysis Skills for Goal-Based Scenario," pp. 68-74	

Examiner Signature		Date Considered	8/2/4
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# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

**Application Number : 09/868,708**

**Filing Date: 02/08/1999**

**First Named Inventor:** Lannert

Group Art Unit: ~~TTA~~ 2121

Examiner Name: ~~wa~~ J P HILL

Attorney Docket Number: 05222.00167

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U.S. PATENT DOCUMENTS: ENTER R3700					
Examiner Initials *	Cite No.	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (# known)			
A		US-5,727,950	03/17/1998	Cook, et al.	
H		US- 5,745,652	04/28/1998	Bigus	
A		US- 5,772,446	06/30/1998	Rosen	
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H		US- 5,822,745	10/13/1998	Hekmatpour	
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H		US- 5,868,575	02/09/1999	Kuczewski	
H		US- 5,870,768	02/09/1999	Hekmatpour	
H		US- 5,875,437	02/23/1999	Atkins	
H		US- 5,889,845	03/30/1999	Staples, et al.	
H		US- 5,893,123	04/06/1999	Tuinenga	
H		US- 5,911,581	06/15/1999	Knight Jeremy, et al.	

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		"Artificial Intelligence and Mathematics Education" at <a href="http://www.rand.org/hot/mcarthur/Papers/aied.html">http://www.rand.org/hot/mcarthur/Papers/aied.html</a>	
		"The Roles of Artificial Intelligence in Education: Current Progress and Future Prospects" at <a href="http://www.nib.unicamp.br/recursos...education/intelligent-tutoring.html">http://www.nib.unicamp.br/recursos...education/intelligent-tutoring.html</a>	
		"WITS: A Reusable Architecture for a VR-Based ITS" at <a href="http://advlearn.lrdc.pitt.edu/its-arch/papers/tam.html">http://advlearn.lrdc.pitt.edu/its-arch/papers/tam.html</a>	
		"Brainmaker" at <a href="http://www.npiec.on.ca/~echoscan/28-04.htm">www.npiec.on.ca/~echoscan/28-04.htm</a>	
		"News for ESAP" at <a href="http://www.hops.wharton.upenn.edu/~esap/news.html">www.hops.wharton.upenn.edu/~esap/news.html</a>	
		"Learning with Computers," May 1994, Accountancy Vol. 113, No. 1209, pp. 60-64	
		"User-Sensitive Multimedia Presentation System," March 1, 1996, Vol. 39, No. 3, pp. 93-94	
		"Microworlds and Simuworlods: Practice Fields for the Learning Organization," Spring 1996, Organizational Dynamics Vol. 24, No. 4, pp. 36-49	
		"What are Intelligent Coaching Systems and Why are they (In)evitable?" IEEE Colloquium on Artificial Intelligence in Educational Software, pp. 2/1-2/5, June 1998	
		"Development of an Integrated Simulator and Real Time Plant Information System," Advances in Operational Safety of Nuclear Power Plants, Proceedings of an International Symposium 1996.	

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H		US-5,974,446	10/26/1999	Sonnenreich, et al.	
H		US- 5,987,443	11/16/1999	Nichols, et al.	
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<sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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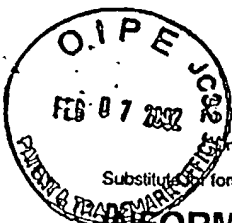
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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Application Number : 09/868,708

Filing Date: 02/08/1999

First Named Inventor: Lannert

Group Art Unit: ~~77A~~ 2121

Examiner Name: ~~HA~~ J P HIRL

Attorney Docket Number: 05222.00167

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		*A-Goal-Centered-Architecture for Intelligent Tutoring Systems,* Proc. Of 7th World Conf. On Artificial Intelligence in Education, pp. 307-314, Aug. 1995	
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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

**Application Number : 09/868,708**

**Filing Date: 02/08/1999**

**First Named Inventor:** Lannert

Group Art Unit: TWA 2121

Examiner Name: ~~NA~~ J P HILL

Attorney Docket Number: 05222.00167

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2. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). \* For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. \* Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 18 if possible. \* Applicant is to place a check mark here if English language Translation is attached.

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Filing Date: 02/08/1999

First Named Inventor: Lannert

Group Art Unit: ~~77A~~ 2121

Examiner Name: ~~NA~~ J P HILL

Attorney Docket Number: 05222.00167

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		"Conducting and Supporting a Goal-Based Scenario Learning Environment," Educational Technology, Nov.-Dec. 1994	
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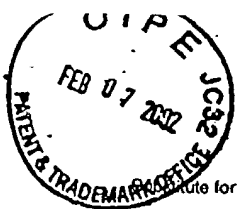
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Application Number : 09/868,708

Filing Date: 02/08/1999

First Named Inventor: Lannert

Group Art Unit: 2121

Examiner Name: *wa SP HIRL*

Attorney Docket Number: 05222.00167

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		"Simulation Technology and Parallelism in Learning Environments" at <a href="http://www.to.utwente.nl/pj/min/Book/chapter1.htm">http://www.to.utwente.nl/pj/min/Book/chapter1.htm</a>	

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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Application Number : 09/868,708

Filing Date: 02/08/1999

First Named Inventor: Lannert

Group Art Unit: 2121

Examiner Name: ~~Mr~~ J P HILL

Attorney Docket Number: 05222.00167

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		"Engines for Education" URL: <a href="http://www.ils.nwu.edu/~e_for_e/nodes/1-M-INTRO-ZOOMER-pg.html">http://www.ils.nwu.edu/~e_for_e/nodes/1-M-INTRO-ZOOMER-pg.html</a> ; viewed Feb. 15, 1999.	
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		"Decision Pro3.0" at <a href="http://www.vanguardsw.com/">www.vanguardsw.com/</a>	

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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Application Number : 09/868,708

Filing Date: 02/08/1999

First Named Inventor: Lannert

Group Art Unit: rva 2121

Examiner Name: rva J P HIRL

Attorney Docket Number: 05222.00167

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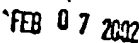
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First Named Inventor: Lannert

Group Art Unit: ת"א 2121

Examiner Name: ~~na~~ J P HIRL

Attorney Docket Number: 05222.00167

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